PALENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 2203444-WO0	FOR FURTHER ACTION	See item 4 below
International application No. PCT/US2006/037714	International filing date (day/month/year) 27 September 2006 (27.09.2006)	Priority date (day/month/year) 28 September 2005 (28.09.2005)
International Patent Classification (8th See relevant information in Form F		
Applicant CYPRESS BIOSCIENCE, INC.		

This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the

	incinational Scatting Authority theer Rule 44 of 3.1(a).				
2.	. This REPORT consists of a total of 6 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter 1) instead.				
3.	This report contains indications re	elating to the following items:			
	Box No. I	Basis of the report			
	Box No. II	Priority			
	Box No. 111	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
		•			
4.		mmunicate this report to designated Offices in accordance with Rules $44bis.3(c)$ and $93bis.1$ but takes an express request under Article 23(2), before the expiration of 30 months from the priority			

	01 April 2008 (01.04.2008)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Ellen Moyse
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Form PCT/IR/373 (January 2004)	

Date of issuance of this report

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY PCT To: S. Peter Ludwig Darby & Darby PC P.O. Box 5257 WRITTEN OPINION OF THE New York, New York 10150-5257 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 23 AUG 2007 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION 2203444-WO0 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US06/37714 27 September 2006 (27.09.2006) 28 September 2005 (28.09.2005) International Patent Classification (IPC) or both national classification and IPC IPC(8) - A61K31/165 (2007.01) USPC - 514/619 Applicant Cypress Bioscience, Inc. I. This opinion contains indications relating to the following items: No I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis. I(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Authorized officer: Name and mailing address of the ISA/US Date of completion of this opinion Mail Stop PCT, Attn: ISA/US

29 April 2007 (29.04.2007)

Lee W. Young

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774

Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Form PCT/ISA/237 (cover sheet) (April 2005)

Facsimile No. 571-273-3201

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/37714

Box	No. I Basis of this opinion	
1.	With regard to the language, this opinion has been established on the basis of:	
	the international application in the language in which it was filed	
	a translation of the international application into	, which is the language of a
	translation furnished for the purposes of international search (Rules 12.3)	
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the in claimed invention, this opinion has been established on the basis of:	ternational application and necessary to the
	a. type of material	
	a sequence listing	
	table(s) related to the sequence listing	
	b. format of material	
	on paper	
	in electronic form	
	c. time of filing/furnishing	
	contained in the international application as filed	
	filed together with the international application in electronic form	
	furnished subsequently to this Authority for the purposes of search	
3.	In addition, in the case that more than one version or copy of a sequence lis filed or furnished, the required statements that the information in the subse in the application as filed or does not go beyond the application as filed, a	quent or additional copies is identical to that
	A delicional community	
4.	Additional comments:	
		l

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/37714

Statement			
Novelty (N)	Claims	1-20	YE
	Claims	none	NO
Inventive step (IS)	Claims	none	YE
initiality (ib)	Claims	1-20	NO NO
Industrial applicability (IA)	Claims	1-20	YE
	Claims	none	NO

2. Citations and explanations:

Claims 1-20 lack an inventive step under PCT Article 33(3) as being obvious over US 2004/0228830 A1 to Hirsh et al. (hereinafter 'Hirsh').

As per claim 1, 2, and 3, directed to a method of providing long-term treatment of filtromyalgia syndrome, Hirsh discloses that minacipran which is a norepinsphine (NE) and serotonin (6-HT) reuptake inhibitor (NSRI) (para [0004]) could produce a therapeutic effect over filtromyalgia syndrome patients (para [0017]) and that Patients received either minacipran 75-100 mg/day twice daily for 8 weeks (para [0007]). Would have been obvious for a person having ordinary skills in the art to administer milinacipran, an NSRI and a dual re-uptake inhibitor (DRI), to provide a long-term reatment for fibromyalgia.

As per claim 4, directed to the method of claims 3, respectively, it is obvious for reasons set forth for claim 3, and further because High discloses that placins received either milnaciparn 5-100 mg/dgty fivice dayl (parg 100077). It would have been obvious for a person having ordinary skills in the art to further specify that the milnacipran is administered in a dose between about 25 mg per day and about 400 mg per day.

As per claims 5, 6, directed to the method of claim 4, respectively, they are obvious for reasons set forth for claim 4, and further because High discloses that in a double-blind, randomized, multicret critical study, patients received 100 mg/day misearized on 200 mg/day (para 9007). It would have been obvious for a person having ordinary skills in the art to further specify that the milnacipran is administender in abose of about 100 mg/per day or 200 mg/per day.

As per claim 7, directed to the method of claim 1, it is obvious for reasons set forth for claim 1, and further because it would have required only ordinary knowledge in the art to administer DRI for at least 6 months to provide a longer-term treatment and durable effect for fibromyalda.

As per claims 8 and 16, they are obvious for reasons set forth for claim 1, and further because Hirsh discloses that milinacipans not provide nellet from pain (sera [1017]) and that in one of the early clinical trials, milinacipans dosage of 200 might was superior to the lower doses (para [2010]) and that the incidence of cortain adverse events increases with dosage, including nauses, vorniting, swearing, hot takes, palphations, terror, anxiety, dysuris, and insommia (para [2008]), it would have been obvious for a person having ordinary skills in the art to administer about 200 mg per day of milinacipran for their parameter of acute pain so as to get better therapeutic effect and encrease the dose of milinacipran to bout 100 mg per day when the acute pain has been treated to decrease the incidence of certain adverse events and administer about 100 mg per day of milinacipran to the patient for at least three months for the long-term treatment of thoromyalia and its symptoms.

As per claim 9, directed to the method of claim 1, it is obvious for reasons set forth for claim 1, and further because Hirsh discloses that milinacipran can be administered adjunctively with other active compounds such as analogasics, antidepressants, angielpielpics, antihightestimines, artitingraine drugs, antimuscaninics, sedatives, hyponiotics, antipsycholics, bronchodilabors, anti asthma drugs, cardiovescular drugs, corticosteroids, dopaminergics, electrolytes, gastro-intestinal drugs, muscle relaxants, nutritional agents, vitamins, parasympathorimients, stimulants, noncredics and anti-nacoelptics (pera (1008f)).

As per claim 10, directed to the method of claim 9, it is obvious for reasons set forth for claim 9, and further because Hrish discloses that 1 [specific examples of compounds that can be adjunctively administered with milinacipran include, but are not infinited to, amphetamic, califorie codinien codeine modalimil, morphine, gabaperein, propranotol, pregabalin, pramipoxole, sibutramine, tramidol, and isones, salts, and combinations thereoff. Opan (100871)

As per claim 11, it is obvious for reasons set forth for claims 1 and 8, and further because it would have been obvious for a person having ordinary skills in the art to administer a dual re-uptake inhibitor (DRI) to the patient for at least three months to provide long-term treatment of a pain symptom associated with fibromyral gia syndrome in a patient.

As per claims 12, 13, 14, 15, 16, 17, they are obvious for reasons set forth for claim 11, and, individually for claims 2, 3, 4, 5, 6, 7, respectively.

-Please See Continuation Sheet-

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/37714

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

C;arms 12-18 are objected to because they are identical to claims 2-8, respectively.

Claim 12 was searched as being dependent on claim 11 instead of claim 1; Claim 13 was searched as being dependent on claim 12 instead of claim 2; Claim 14 was searched as being dependent on claim 13 instead of claim 3; Claims 15 and 16 were searched as being dependent on claim 14 instead of claim 4;

Claim 17 was searched as being dependent on claim 11 instead of claim 1.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/37714

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation o

As per claim 19, directed to the method of claim 11, comprising adjunctively administering a second active compound, wherein the second active compound is selected from the group consisting of an antidepressant, an antispelagetic, a muscle relaxant, an ancretic, a silmulant, an admelpagetic drug, a beta blocker, a sedative, a hyporic and combinations thereof, Hirsh discoses that "miniarpiran can be administered adjunctively with other active compounds such as analgesics, antidepressants, antispelagetics, antihisterian dirugs, antimissarins, antimipratine drugs, antimissarins, cashed as stimma drugs, cardiovascular drugs, confociateroids, dopaminegrics, electrolytes, gastro-inestinal drugs, muscle relaxants, nutritional agents, vitamins, parasympathonimetics, stimulants, annoroctics and anti-narcoleptics. (Page 1096)

As per claim 20, directed to the method of claim 13, wherein the second active compound is selected from the group consisting of contactivity. Port 20, adapted in propapsion, prampsecion, EOPA, amphetamine, Ezamidine, Contidire, transaciol, morphine, tricyclic antidepressants, codeine, carmbamazegine, substramine, valium, trazodorie, cafferie, nicerpoline, bifernelene, proprianolo, alentoid and combinations thereof. (First discloses that "Ejepedice camples of compounds that can be adjunctively administered with milinacipari include, but are not firried of, amphetamine, caffeine, inclaimed, contactive and contactive administered with milinacipari include, but are not firried to, amphetamine, caffeine, transact), and combinations thereof. (Tara [0087])

Claims 1-20 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.